

Please amend claims 1, 3-10, 13, 15 and 17-19 to read as follows.

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1. (Amended) A method for manufacturing an article, comprising: providing a polymer-based material (1); spraying the polymer-based material in an electrically charged state into an electrical field (E); providing a mould (2), wherein one or more positions of the mould is set at an electrical potential; contacting the electrically charged material to the mould to form a coating on the mould; and removing the article from the mould (2) following sufficient curing of the coating.

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3. (Amended) A method as set forth in claim 1, further comprising treating surface of said mould (2) with one or more surface-tension regulating surfactants selected from a group consisting of a silicon-based, a polyolefine-based and a corresponding agent to facilitate demoulding/stripping of the article from the mould (2), wherein the surface tension of the material (1) is adjusted relative to the surface tension of the mould.

4. (Amended) A method as set forth in claim 1, wherein the article is an elastic product selected from a piece of clothing, a glove, or a condom.

5. (Amended) A method as set forth in claim 1 wherein the material (1) is a multi-component polymer-based material comprising ingredients (1a, 1b) that are individually heated by a heating unit, mixed together, and charged electrically.

6. (Amended) A method as set forth in claim 1, wherein a desired wall thickness of the article is achieved at any given point on the surface of the mould by providing the mould (2) with two or more treatment blocks (Li), which are set at voltage levels substantially different from each other.

7. (Amended) A method as set forth in claim 1, wherein the spraying the polymer-based material comprises one or more changes in process parameters, the process parameters selected from the group consisting of volume flow of the polymer-based material, viscosity of the polymer-based material or a component thereof, the electrical field (E), and the voltage level in one or more treatment blocks (Li) of the mould (2).

8. (Amended) An apparatus for manufacturing a thin-walled article, the apparatus comprising:

one or more reservoirs that contain a polymer-based material that comprises one or more components;

one or more pressurizing units to adjust the pressure of the polymer-based material;

a mould

a processing unit to electrically charge the polymer-based material and form a spray of electrically charged material; and

a control unit to adjust one or more process parameters.

9. (Amended) An apparatus as set forth in claim 8, wherein the apparatus further comprises a heating unit (01) to heat the polymer-based material (1).

10. (Amended) An apparatus as set forth in claim 8 wherein the mould (2) comprises at least two treatment blocks (Li) whose voltage levels are independently adjustable.

13. (Amended) A method as set forth in claim 3, wherein the article is an elastic product selected from a piece of clothing, a glove, or a condom.

15. (Amended) A method as set forth in claim 3, wherein the material is a multi-component polymer-based material comprising at least two ingredients that are individually heated by a heating unit, mixed together, and charged electrically.

17. (Amended) A method as set forth in claim 3, wherein a desired wall thickness of the article is achieved at any given point on the surface of the mould by providing the mould with two or more treatment blocks, which are set at voltage levels substantially different from each other.

18. (Amended) A method as set forth in claim 4, wherein a desired wall thickness of the article is achieved at any given point on the surface of the mould by providing the mould with two or more treatment blocks, which are set at voltage levels substantially different from each other.